Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/13/2021 03:57 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125147	0	1.51	125071	1.49
Blue	F	SSC	125000	123093	-2	2.65	123412	2.47
Blue	E	FITC	13131	12611	-4	2.59	290	15.91
Blue	D	PE	24112	23562	-3	2.02	540	10.90
Blue	B	PerCP-Cy5-5	31295	30385	-3	3.32	1008	15.01
Blue	A	PE-Cy7	19939	19540	-3	5.39	520	29.49
Red	C	APC	42122	40986	-3	2.86	1718	11.48
Red	A	APC-Cy7	22340	21791	-3	3.14	820	11.69
Violet	B	V450	7410	6948	-7	3.96	426	12.58
Violet	A	V500	28118	26745	-5	3.50	669	10.21

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22541	2.72	585	16	N/A	N/A	Pass
Blue	F	SSC	57299	1.16	521	9	N/A	N/A	Pass
Blue	E	FITC	53	54.62	487	0	0.0391	81	Pass
Blue	D	PE	113	37.07	490	2	0.3953	286	Pass
Blue	B	PerCP-Cy5-5	188	36.79	586	0	0.0185	65	Pass
Blue	A	PE-Cy7	106	67.21	628	0	0.0214	0	Pass
Red	C	APC	397	24.56	581	5	0.0276	224	Pass
Red	A	APC-Cy7	183	28.66	556	5	0.0064	1560	Pass
Violet	B	V450	61	63.54	455	2	0.0684	2831	Pass
Violet	A	V500	97	36.65	467	2	0.0254	1180	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.12	-31.92	1.10
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	15.13	13.60 - 20.40	N/A	N/A	30.26	30.49	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9956

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments